

4/15/07 Brainstorming

Ideas

① Photosynthesis

Why?

engineering better chassis
the challenge?

→ control oxidative stress

→ Rubisco efficiency?

Issues

Cyanobacteria good model org?

② mini cell

→ membrane transfer between species
vesicle buds off of E. coli w/ good stuff in membrane
and fuse w/ Cyanobacteria to deliver the "good stuff"

③ light sensitive something

(Voight Lab) UT Austin → binary

rods in eye sensitive to different wavelengths of light

quorum sensing

better than binary

cells respond in 3 different colors

↓
wavelength specific

→ LED screen?

→ tissue engineering patterning 3D, different cell types @ different times